



CE90V



Marshall Electronics

Professional Audio Division

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Condenser Microphone

MXL CE90V

Thank you for choosing the MXL CE90V Condenser microphone. With proper care, this mic will provide many years of satisfaction. To get the best results, please take a few moments to read this manual.

Enjoy your microphone!

The MXL Team

General Characteristics

This microphone has a 22mm capsule with a gold-sputtered diaphragm and a fixed cardioid pickup pattern. Condenser microphones are very sensitive, readily revealing very subtle sonic details. They also tend to pick up sounds outside the pattern more than some designs, which can lead to powerful feedback if you are not careful. We strongly advise experimentation with placement and isolation requirements with the gain initially set low to avoid equipment (and ear) damage. It is strongly advised to use a mesh pop-filter to prevent moisture from damaging the capsule.

Contents

Unpack your MXL CE90V microphone carefully and verify that all of the following items are included:

- MXL CE90V microphone
- Shock mount
- Carrying case

If any of these items are missing or damaged, contact the company from which you purchased the microphone.

Power Requirement

IMPORTANT - This unit requires phantom power at 48 volts, +/- 4 volts. Each unit has been thoroughly checked before shipping, so if you hear no sound, check that the phantom power on your mixer or separate power supply is switched on!

Microphone Cable

The microphone cable can have a profound effect on the sound of any microphone. Even the finest microphone will sound poor if the interconnect cable allows noise to enter or causes distortion and loss of information. We recommend that you use the best microphone cable that your budget will allow.

Care

Dust and foreign material can reduce the performance of a microphone over time, so you should store the MXL CE90V in its case when not in use.

Specifications

| | |
|----------------------|---------------------------------|
| Type | Pressure-gradient condenser mic |
| Diaphragm | 6-micron, gold sputtered |
| Frequency Range | 30Hz-20kHz |
| Polar Pattern | Cardioid |
| Impedance | 200 ohms |
| Sensitivity | 15mV/Pa |
| S/N Ratio | 74 dB (Ref. 1Pa A-weighted) |
| Equivalent Noise | 20dB(A weighted IEC 268-4) |
| Max SPL for 0.5% THD | 130dB |
| Power Requirement | Phantom Power 48V ±4V |
| Current Consumption | <3.0mA |
| Size | 60mm x 130mm |
| Weight | 1.2 lb |
| Metal Finish | Gray |

Warranty

This microphone is guaranteed against defects in material and workmanship for one year from date of purchase. Should you encounter any problem with this unit, promptly contact the company you purchased it from for assistance. The original dated sales receipt will be necessary for any warranty claim. Do not send any unit directly to us without prior authorization from our service department! Warranty coverage is limited to repair or replacement (at our option) of the microphone, and does not cover incidental damages due to use of this unit, nor damage caused by accidental misuse of this product.